

What is claimed is:

- 5 1. An element comprising a solid carrier and a group of nucleotide derivatives or their analogues which are fixed to the solid carrier, in which the element is covered with a zero-valent metal film and the nucleotide derivative or the analogue is fixed onto the solid carrier via an alkylene chain which is directly attached to
10 the metal film.
2. The element of claim 1, wherein the zero-valent metal film is a silver film or a copper film.
- 15 3. An element comprising a solid carrier and a group of nucleotide derivatives or their analogues which are fixed to the solid carrier, wherein the element is covered with a zero-valent metal film and the nucleotide derivative or the analogue is fixed onto the metal film
20 by reaction between an alkyne group attached to one terminal of the nucleotide derivative or the analogue and the metal film.
4. The element of claim 3, wherein the zero-valent
25 metal film is a silver film or a copper film.
5. The element of claim 3, wherein the alkyne group is attached to the terminal of the nucleotide derivative or the analogue via a linking group.
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6. The element of claim 3, wherein the alkyne group is derived from one selected from the group consisting of acetylene, methylacetylene, 1-butyne, 1-pentyne, 1-hexyne, 1-heptyne, 1-octyne, 1-nonyne, and 1-decine.
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7. A method of bringing a group of nucleotide derivatives or their analogues having an alkyne group at one terminal thereof into contact with a zero-valent metal film placed on a solid carrier in a liquid phase,
5 to fix the nucleotide derivatives or the analogues onto the metal film via the terminal.